

**IEEE 802 Mar 2021  
Electronic Plenary**

**IEEE 802.3 Ethernet WG  
Closing Plenary  
18 Mar 2021**

**IEEE 802.3  
Beyond 400 Gb/s Ethernet SG  
Closing Report**



# IEEE P802.3 B400G Study Group Project information

## ■ Study Group Organization

- John D'Ambrosia, Study Group Chair
- Tom Issenhuth, Study Group Recording Secretary

## ■ Task force web and reflector information

- Reflector information:  
<https://www.ieee802.org/3/B400G/reflector.html>
- Home page: <https://www.ieee802.org/3/B400G/index.html>

# This Week

## ▣ Presentations

- **BER objective for Beyond 400GbE, Xinyuan Wang**
- **Considerations on 100m objectives for B400G, Peter Stassar**
- **Proposed Objectives for Parallel PMDs, Robert Lingle**
- **OTN support for Beyond 400 Gb/s Ethernet, Steve Trowbridge**
- **Discussion / Straw polls (Time permitting)**

## ▣ Strawpoll

### ▣ **For the following proposed objective, I would support the following –**

Support a BER of better than or equal to \_\_\_\_\_ at the MAC/PLS service interface (or the frame loss ratio equivalent)

	Results
a) $10^{-13}$	21
b) $10^{-14}$	24
c) $10^{-15}$	5
d) Better than $10^{-15}$	0
e) Need more information	50
f) Abstain	16

# Remaining Mar 2021 Session Presentations

## ■ 3/22/21 Presentations

- a) **Appropriate 5 Criteria, Chris Cole**
- b) **800GbE Optics Options, Scott Schube**
- c) **PMA lane versus PCS frame FEC and the resulting impact on guaranteeing performance at transceiver module / host PCB interface, Jim Theodoras**
- d) **Evolutionary path to B400G PMDs, Ali Ghiasi**
- e) **224G PAM Signaling, Louis (Yuchun) Lu**
- f) **Discussion / Straw polls (Time permitting)**

## ■ 3/29/21 Presentations

- a) **On the Technical Feasibility of 200G/Lane Chip-to-Module, Ilya Lyubomirsky**
- b) **200G per Lane for beyond 400GbE, Cedric Lam**
- c) **Optical PMD Considerations for 200G Lanes, Vipul Bhatt**
- d) **Feasibility of 200 Gb/s per lane electrical interfaces, Adam Healey**
- e) **Discussion / Straw polls (Time permitting)**

# Future Sessions (Previously Announced)

- **April 2021 Session**
  - Meeting #1 – Apr 1, 2021 – 10am to 1pm ET
  - Meeting #2 - Apr 5, 2021 – 10am to 1pm ET
  - Agenda of meeting will be straw polls / motions, based on March 21 Session
  
- **May 2021 Session**
  - To be planned based on presentation requests
  - Confirmed Date – May 17 (10am to 1pm ET)
  - Other candidate dates for sessions– Apr 26, May 3, May 24 (10am to 1pm ET)
  
- **Presentation Requests May 2021 Session**
  - Apr 14, 2021 AoE
  
- **Presentation Submissions – 72 hours prior to start of assigned meeting**

# WG Motion

**Move that the IEEE 802.3 Working Group request the re-chartering of the "IEEE 802.3 Beyond 400 Gb/s Ethernet" Study Group.**

- **Moved: John D'Ambrosia**
- **Second: Tom Issenhuth**
- **> 50%**
- **Results**